

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	capacit\$4 same touch\$4 same pad\$4 and cover\$4 same galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:03
S2	5	capacit\$4 same touch\$4 same pad\$4 and galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:11
S3	19	touch\$4 same pad\$4 and galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:12
S4	4	touch\$4 same pad\$4 same galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:13
S5	8	touch\$4 same pad\$4 and galvan\$4 same non-conduct\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:23
S6	1	touch\$4 same pad\$4 with galvan\$4 same cover\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:27
S7	4	capacit\$4 same touch\$4 same pad\$4 with non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:21
S8	114	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and second same layer\$4 and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:25
S9	8	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and second same layer\$4 same ground\$4 same plane and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:26

S10	2	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:27
S11	104	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and ground\$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:27
S12	11	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 same ground\$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:28
S13	456	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:29
S14	285	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:29
S15	10	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4 same copper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:30
S16	1	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4 same copper and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:36
S17	1	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:36
S18	140	touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:39

S19	1	touch\$4 same pad\$4 and row\$4 same column\$4 same (comb and finger\$1) and ground\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:41
S20	2	touch\$4 same pad\$4 and row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:41
S21	24	row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:42
S22	3	capacit\$6 same row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:44
S23	456	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:48
S24	36	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:48
S25	7	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4 same copper and comb \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 22:13
S26	652	capacit\$4 same touch\$4 same pad\$4 and matrix	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:39
S27	132	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:39
S28	97	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:40

S29	30	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and non-conduct\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:40
S30	76	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and ground\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:55
S31	29	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and ground\$4 and copper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:55
S32	145	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:04
S33	29	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and comb\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:17
S34	140	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:17
S35	29	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and comb\$3 and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:18
S36	26	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:35
S37	26	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:35
S38	1	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4) and "345"/\$. ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:36

S39	12	capacit\$4 same touch\$4 same pad\$4 and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4) and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:36
S40	4	capacit\$4 same touch\$4 same pad\$4 and galvanic same isolat\$4 and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 11:20
S41	7	matrix and galvanic same isolat\$4 and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 11:52
S42	1	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:15
S43	29	Marten same Victor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:16
S44	9	Marten same Victor and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:16
S45	6	Marten same Victor and capacitive same touch same pad	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:17
S46	3	Marten same Victor and capacitive same touch same pad and galvanic same isolation	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:17
S47	98740	"345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:18
S48	14	"345"/\$.ccls. and galvanic same isolation	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:18

S49	1	"345"/\$.ccls. and galvanic same isolation and comb same finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:19
S50	0	("2008/0150906").URPN.	USPAT	OR	OFF	2008/11/29 12:19
S51	0	("2008/0150905").URPN.	USPAT	OR	OFF	2008/11/29 12:20
S52	0	("2008/0100587").URPN.	USPAT	OR	OFF	2008/11/29 12:20
S53	0	("2008/0088594").URPN.	USPAT	OR	OFF	2008/11/29 12:20
S54	0	("2008/0012832").URPN.	USPAT	OR	OFF	2008/11/29 12:20
S55	0	("2008/0007539").URPN.	USPAT	OR	OFF	2008/11/29 12:20
S56	0	("2008/0007534").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S57	0	("2008/0001926").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S58	0	("2007/0296709").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S59	0	("2007/0291009").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S60	0	("2007/0273660").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S61	0	("2007/0273659").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S62	0	("2007/0273659").URPN.	USPAT	OR	OFF	2008/11/29 12:21
S63	0	("2007/0268265").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S64	0	("2007/0262963").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S65	0	("2007/0262962").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S66	0	("2007/0229468").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S67	0	("2007/0229466").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S68	0	("2007/0085838").URPN.	USPAT	OR	OFF	2008/11/29 12:22
S69	0	("2007/0085837").URPN.	USPAT	OR	OFF	2008/11/29 12:23
S70	0	("2007/0046639").URPN.	USPAT	OR	OFF	2008/11/29 12:23

S71	0	("2005/0146510").URPN.	USPAT	OR	OFF	2008/11/29 12:23
S72	1	("2005/0083307").URPN.	USPAT	OR	OFF	2008/11/29 12:23
S73	7	("2003/0016211").URPN.	USPAT	OR	OFF	2008/11/29 12:23
S74	5	("20050041002" "4954673" "6356451" "6501528" "6751898"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
S75	0	("7295189").URPN.	USPAT	OR	OFF	2008/11/29 12:24
S76	14	("3668467" "4649323" "4924151" "4939428" "5191265" "5235217" "5248919" "5530322" "5694154" "5719450" "5796183" "5909211" "6004049" "6262717"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
S77	7	("6608617").URPN.	USPAT	OR	OFF	2008/11/29 12:24
S78	28	("3886311" "4071691" "4103252" "4179723" "4246452" "4265059" "4476463" "4495485" "4550221" "4587378" "4639720" "4672154" "4680430" "4736191" "4740781" "4743895" "4817043" "5245321" "5271669" "5305017" "5327161" "5457636" "5481250" "5572573" "5717433" "5730602" "5737729" "5748185"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
S79	38	("6262717").URPN.	USPAT	OR	OFF	2008/11/29 12:25
S80	12	("3761877" "3772685" "3832693" "3990070" "4058849" "4125873" "4190833" "4363029" "4639720" "4814760" "4839634" "4841290"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:25
S81	105	("5194852").URPN.	USPAT	OR	OFF	2008/11/29 12:25
S82	4	("3492440" "3886539" "4121204").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:25
S83	25	("4204204").URPN.	USPAT	OR	OFF	2008/11/29 12:26

S84	0	("2005/0083307").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:26
S85	0	("2003/0016211").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:26
S86	0	("20050041002" "4954673" "6356451" "6501528" "6751898"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27
S87	0	("3668467" "4649323" "4924151" "4939428" "5191265" "5235217" "5248919" "5530322" "5694154" "5719450" "5796183" "5909211" "6004049" "6262717"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27
S88	0	("6608617").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:27

S89	0	("3886311" "4071691" "4103252" "4179723" "4246452" "4265059" "4476463" "4495485" "4550221" "4587378" "4639720" "4672154" "4680430" "4736191" "4740781" "4743895" "4817043" "5245321" "5271669" "5305017" "5327161" "5457636" "5481250" "5572573" "5717433" "5730602" "5737729" "5748185"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27
S90	0	("6262717").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:28
S91	0	("3761877" "3772685" "3832693" "3990070" "4058849" "4125873" "4190833" "4363029" "4639720" "4814760" "4839634" "4841290"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:28
S92	0	("5194852").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:28

S93	0	("3492440" "3886539" "4121204").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:29
S94	0	("4204204").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:29
S95	2	("20030052867" "6677670").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:30
S96	0	("7151227").URPN.	USPAT	OR	OFF	2008/11/29 12:30
S97	9	("20020067615" "20040080486" "20040238726" "4567480" "5886687" "5942733" "6054979" "6204839" "6611093").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:30
S98	1	("7176885").URPN.	USPAT	OR	OFF	2008/11/29 12:30
S99	34	("20010006006" "20020050983" "20030066692" "20030217873" "20050134574" "4317227" "4592034" "4644100" "4880665" "5059959" "5194852" "5404458" "5412189" "5591945" "5628031" "5638093" "5691959" "5717432" "5856820" "5986224" "6161434" "6167165" "6392167" "6404353" "6535147" "6549193" "6555235" "6723929" "6724373" "6738051" "6741237" "6922642" "7049960" "7116315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:32
S100	0	("7411581").URPN.	USPAT	OR	OFF	2008/11/29 12:32

S101	5	("5337151" "6392870" "6476733" "6614364" "6886263").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:32
S102	0	("7423634").URPN.	USPAT	OR	OFF	2008/11/29 12:32
S103	1	("2004/0090417").URPN.	USPAT	OR	OFF	2008/11/29 12:33
S104	1	("2004/0119688").URPN.	USPAT	OR	OFF	2008/11/29 12:33
S105	0	("2005/0083313").URPN.	USPAT	OR	OFF	2008/11/29 12:33
S106	0	("2006/0114241").URPN.	USPAT	OR	OFF	2008/11/29 12:34
S107	0	("2008/0100587").URPN.	USPAT	OR	OFF	2008/11/29 12:34
S108	0	("2008/0106528").URPN.	USPAT	OR	OFF	2008/11/29 12:34
S109	0	("2008/0231601").URPN.	USPAT	OR	OFF	2008/11/29 12:34
S110	0	("2008/0284755").URPN.	USPAT	OR	OFF	2008/11/29 12:34
S111	0	("20030052867" "6677670").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:35
S112	0	("20020067615" "20040080486" "20040238726" "4567480" "5886687" "5942733" "6054979" "6204839" "6611093").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:35

S113	0	("7176885").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:36
S114	0	("20010006006" "20020050983" "20030066692" "20030217873" "20050134574" "4317227" "4592034" "4644100" "4880665" "5059959" "5194852" "5404458" "5412189" "5591945" "5628031" "5638093" "5691959" "5717432" "5856820" "5986224" "6161434" "6167165" "6392167" "6404353" "6535147" "6549193" "6555235" "6723929" "6724373" "6738051" "6741237" "6922642" "7049960" "7116315").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:36
S115	0	("5337151" "6392870" "6476733" "6614364" "6886263").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:36
S116	0	("2004/0090417").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:36

S117	0	("2004/0119688").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:37
S118	0	("2008/0205495").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S119	0	("2008/0126665").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S120	0	("2007/0293915").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S121	0	("2007/0247443").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S122	0	("2007/0193887").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S123	0	("2007/0128351").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S124	0	("2006/0017701").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S125	0	("2005/0270273").URPN.	USPAT	OR	OFF	2008/11/29 12:38
S126	0	("2005/0218726").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S127	1	("2004/0131925").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S128	0	("2004/0113564").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S129	0	("2003/0218670").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S130	0	("2003/0139783").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S131	0	("7274118").URPN.	USPAT	OR	OFF	2008/11/29 12:39
S132	189	("20010014398" "20010033952" "20010043569" "20010051300" "20020000034" "20020037756" "20020076616" "20020110733" "20020184949" "20030104590" "20030151118" "20030171984" "20040077383" "20040094949"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40

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"5482611"	"5494762"
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"5510209"	"5512147"
"5523179"	"5528222"
"5529671"	"5536333"
"5549989"	"5558953"
"5561004"	"5567210"
"5569520"	"5569564"
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"5695885"	"5705293"
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"5925483"	"5932284"
"5935727"	"5953677"
"5978207"	"5981107"
"5982284")	.PN. OR
("5995006"	"6001715"
"6002208"	"6023610"
"6025094"	"6033471"

		"6037717" "6042687" "6056857" "6059847" "6077621" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6163260" "6168884" "6175196" "6181237" "6181545" "6203944" "6220516" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6281795" "6294722" "6325294" "6327909" "6391664" "6399489" "6402795" "6402796" "6413675" "6432577" "6475854" "6558836" "6576365" "6576369" "6599580" "6608464" "6610971" "6626040" "6634232" "6645656" "6723140" "6741178" "6805998" "6818356" "6821348" "6866901" "6897164" "6906436" "6924164" "6982132" "6986965" "6989750" "7028547" "7118825").PN.				
S133	0	("7274118").URPN.	USPAT	OR	OFF	2008/11/29 12:40
S134	15	("4494950" "4524774" "4697808" "4799487" "5167229" "5193540" "5324316" "5814089" "5999848" "6141588" "6164284" "6185452" "6315721" "6358202" "6564807").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40
S135	0	("7260436").URPN.	USPAT	OR	OFF	2008/11/29 12:40
S136	5	("5777604" "6373474" "6734843" "6738048" "6753853").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40
S137	0	("7075523").URPN.	USPAT	OR	OFF	2008/11/29 12:40
S138	11	("4315133" "4554560" "4652722" "5359176" "5538764" "5837962" "5906760" "5940115" "5981901" "6037968" "6400389").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40

S139	0	("7009633").URPN.	USPAT	OR	OFF	2008/11/29 12:41
S140	125	("20010014398" "20010051300" "20020000034" "20020037756" "20020076616" "4207119" "4299890" "4333808" "4353160" "4365107" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4730383" "4740431" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5151848" "5171413" "5180645" "5189550" "5192947" "5202196" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5425966" "5426561" "5433096" "5445126" "5445906" "5448110" "5449994" "5455126" "5468521" "5482611" "5501175" "5501924" "5510209" "5512147" "5528222" "5529671" "5536333" "5549989" "5558953" "5561004" "5567210" "5569520" "5569564" "5571749" "5585999" "5593551" "5597660" "5599644" "5601652" "5612152" "5626976" "5644207" "5654084" "5695873" "5695885" "5705293" "5763058" "5830331" "5863337" "5868914" "5872080" "5914507" "5935727" "5953677" "5978207" "5981107" "5995006" "6002208" "6023610" "6033471" "6037717" "6042687" "6056857" "6059847" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:41

		"6153067" "6181237" "6181545" "6203944" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6294722" "6327909" "6432577" "6475854" "6558836" "6576369" "6608464" "6610971"). PN. OR ("6634232" "6741178").PN.				
S141	7	("6906436").URPN.	USPAT	OR	OFF	2008/11/29 12:41
S142	13	("20020113556" "5165053" "5548189" "5952790" "5965985" "5982111" "6002210" "6051934" "6057648" "6078143" "6175198" "6304041" "6392365"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:41
S143	1	("6815908").URPN.	USPAT	OR	OFF	2008/11/29 12:41
S144	0	("2004/0131925").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:42
S145	0	("20010014398" "20010033952" "20010043569" "20010051300" "20020000034" "20020037756" "20020076616" "20020110733" "20020184949" "20030104590" "20030151118" "20030171984" "20040077383" "20040094949" "20050019666" "20050079418" "3419487" "4207119" "4299890" "4328262" "4333808" "4353160" "4365107" "4435445" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:43

"4696671"	"4730383"
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"5089104"	"5098737"
"5115378"	"5126031"
"5151848"	"5166009"
"5171413"	"5180645"
"5189550"	"5192947"
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"5261968"	"5273837"
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"5338625"	"5348703"
"5393572"	"5411592"
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"5714404"	"5763058"
"5789108"	"5814420"
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"5872080"	"5914507"
"5925483"	"5932284"
"5935727"	"5953677"
"5978207"	"5981107"
"5982284"	".PN. and capacit
	\$4 same touch\$4 same pad
	\$4 and first same layer\$4
	and (second same layer\$4
	and copper same ground
	\$4) and non-conductive\$4
	same layer\$4 and galv\$4
	same isolat\$4

S146	0	("5995006" "6001715" "6002208" "6023610" "6025094" "6033471" "6037717" "6042687" "6056857" "6059847" "6077621" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6163260" "6168884" "6175196" "6181237" "6181545" "6203944" "6220516" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6281795" "6294722" "6325294" "6327909" "6391664" "6399489" "6402795" "6402796" "6413675" "6432577" "6475854" "6558836" "6576365" "6576369" "6599580" "6608464" "6610971" "6626040" "6634232" "6645656" "6723140" "6741178" "6805998" "6818356" "6821348" "6866901" "6897164" "6906436" "6924164" "6982132" "6986965" "6989750" "7028547" "7118825").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:43
S147	0	("4494950" "4524774" "4697808" "4799487" "5167229" "5193540" "5324316" "5814089" "5999848" "6141588" "6164284" "6185452" "6315721" "6358202" "6564807").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44

S148	0	("5777604" "6373474" "6734843" "6738048" "6753853").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44
S149	0	("4315133" "4554560" "4652722" "5359176" "5538764" "5837962" "5906760" "5940115" "5981901" "6037968" "6400389").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44
S150	0	("20010014398" "20010051300" "20020000034" "20020037756" "20020076616" "4207119" "4299890" "4333808" "4353160" "4365107" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4730383" "4740431" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5151848" "5171413" "5180645" "5189550" "5192947" "5202196" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5425966" "5426561" "5433096" "5445126" "5445906" "5448110" "5449994" "5455126" "5468521" "5482611" "5501175" "5501924" "5510209" "5512147" "5528222" "5529671" "5536333" "5549989" "5558953" "5561004"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:46

		"5567210" "5569520" "5569564" "5571749" "5585999" "5593551" "5597660" "5599644" "5601652" "5612152" "5626976" "5644207" "5654084" "5695873" "5695885" "5705293" "5763058" "5830331" "5863337" "5868914" "5872080" "5914507" "5935727" "5953677" "5978207" "5981107" "5995006" "6002208" "6023610" "6033471" "6037717" "6042687" "6056857" "6059847" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6181237" "6181545" "6203944" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6294722" "6327909" "6432577" "6475854" "6558836" "6576369" "6608464" "6610971"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4				
S151	0	("6634232" "6741178"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:46

S152	0	("6906436").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:46
S153	0	("20020113556" "5165053" "5548189" "5952790" "5965985" "5982111" "6002210" "6051934" "6057648" "6078143" "6175198" "6304041" "6392365"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:46
S154	0	("6815908").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:47
S155	2	"4,475,235".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
S156	2	"5,953,199".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
S157	0	"4,475,235".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49

S158	0	"5,953,199".pn. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
S159	12	("3579186" "3618019" "3668313" "3699517" "3956734" "3983535" "4035769" "4126760" "4143357" "4281313" "4389711" "4394773"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:50
S160	32	("4475235").URPN.	USPAT	OR	OFF	2008/11/29 12:50
S161	18	("4441001" "4468702" "4586106" "4654746" "4745518" "4865483" "5067573" "5252952" "5448405" "5457289" "5469194" "5486847" "5543588" "5552957" "5579036" "5588760" "5668612" "5747748"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:52
S162	5	("5953199").URPN.	USPAT	OR	OFF	2008/11/29 12:52
S163	0	"4,475,235".pn. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
S164	0	"4,475,235".pn. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
S165	0	"5,953,199".pn. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
S166	0	"5,953,199".pn. and capacit \$4 same touch\$4 same pad \$4 and matrix and non- conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55

S167	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55
S168	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and non-conductive\$4 same cover	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55
S169	0	"4,475,235".pn. and comb same finger	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56
S170	0	"4,475,235".pn. and comb	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56
S171	0	"4,475,235".pn. and finger	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56
S172	0	("3579186" "3618019" "3668313" "3699517" "3956734" "3983535" "4035769" "4126760" "4143357" "4281313" "4389711" "4394773"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:57
S173	0	("4475235").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:57

S174	0	("4441001" "4468702" "4586106" "4654746" "4745518" "4865483" "5067573" "5252952" "5448405" "5457289" "5469194" "5486847" "5543588" "5552957" "5579036" "5588760" "5668612" "5747748"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:57
S175	0	("5953199").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:57
S176	3	"4071785".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:16
S177	159	touch same pad same piezoelectric	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:19
S178	91	touch same pad same piezoelectric same sensor \$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20
S179	0	touch same pad same piezoelectric same sensor \$1 same elctrode\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20
S180	8	touch same pad same piezoelectric same sensor \$1 same electrode\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20

S181	2	touch same pad same piezoelectric same sensor \$1 same electrode\$1 and matrix	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:58
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